

2005-ANDHRA UNIVERSITY
IV B.TECH I SEMESTER DEGREE EXAMINATION
NETWORK PROTOCOLS
(INFORMATION TECHNOLOGY)

TIME-3HOUR
MARKS-70

SECTION A IS COMPULSORY. ATTEMPT ANY FOUR QUESTIONS FROM SECTION B.

SECTION A [5*2=10 MARKS]

1. (a) What is super netting
- (b) Why do you use RARP?
- (c) What is Gateway?
- (d) What is MBONE?
- (e) Write the format of UDP.

SECTION B [4*15=60 MARKS]

2. (a) Explain briefly the design of ARQ.
- (b) Write about different types of Messages & General message formats of ICMP.
3. (a) Explain the concept of sub-netting.
- (b) Explain briefly TCP design.
4. (a) Explain briefly UDP operation.
- (b) Explain TCP header options.
- (c) Explain IGMP operation in single Network.
5. (a) Write about Communication in FTP.
- (b) Explain connection management in TCP.
6. (a) Write about DNS in the Internet.
- (b) Explain BOOTP Protocol.
7. (a) Explain HTTP.
- (b) Explain Client-Server Model.
- (c) Write about Distribution of Names spaces.
8. (a) Explain the concept of Sockets.
- (b) Explain different Socket system calls.
- (c) Explain briefly Connection-oriented Concurrent Server.